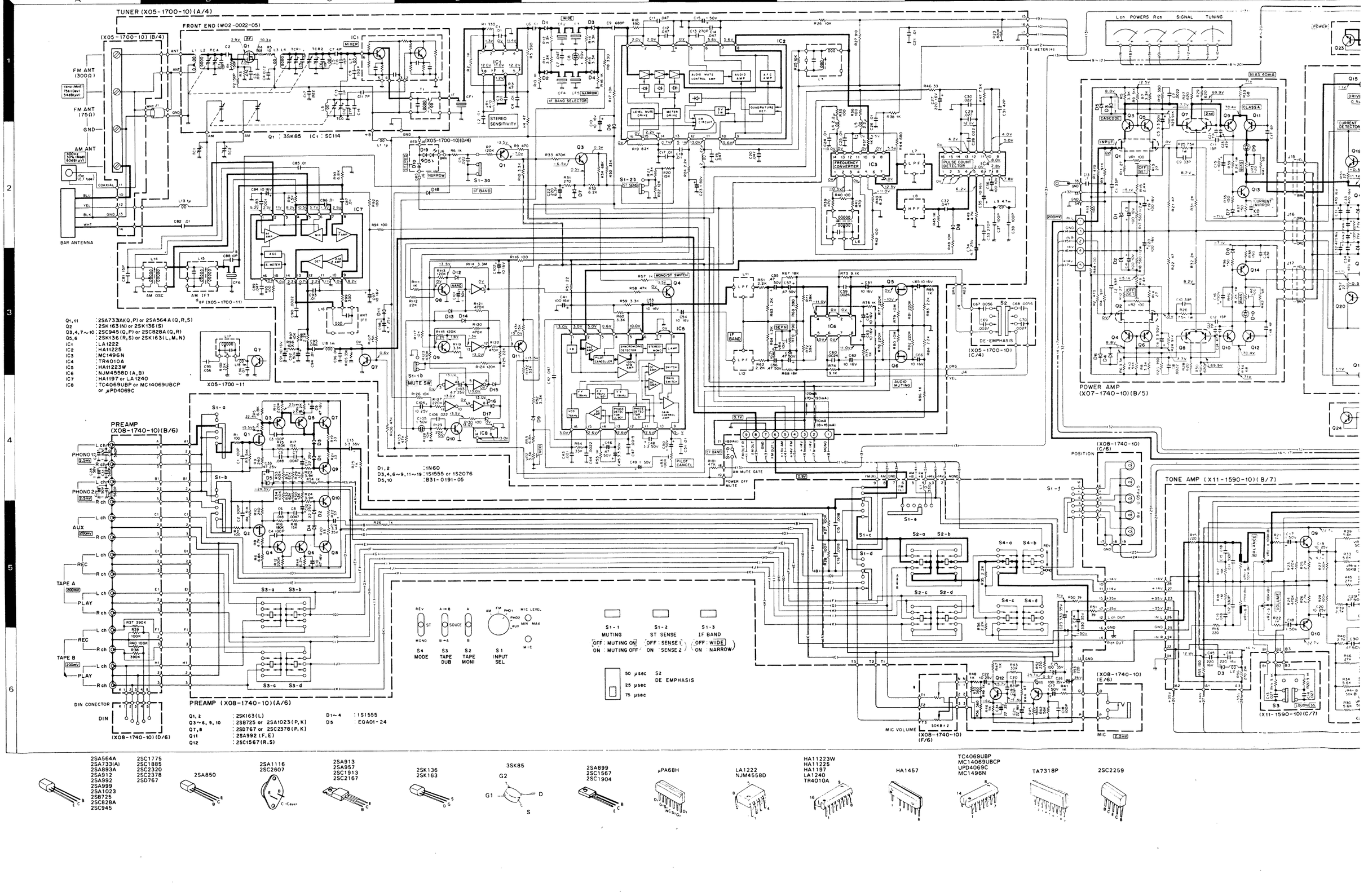
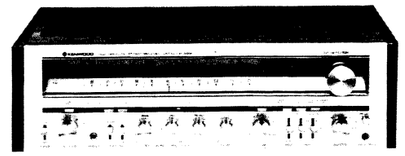
KENWOOD

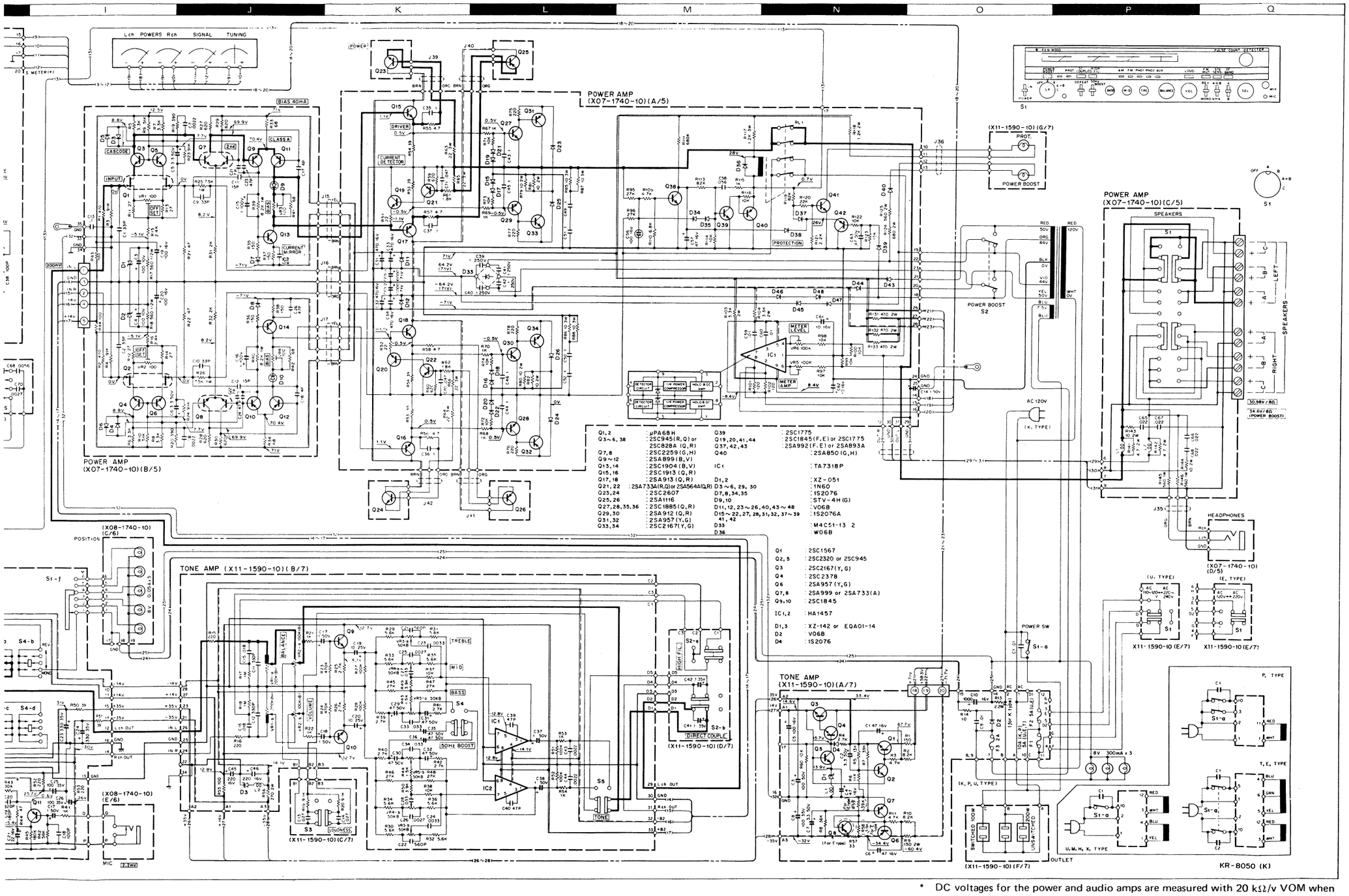
HIGH SPEED DC STEREO RECEIVER



IGH SPEED DC STEREO RECEIVER

[KR-8850] KR-8050

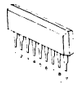




Q1,2	: μPA68H	Q39	: 2SC1775		
Q3~6, 38	: 2SC945(R,Q) or 2SC828A(Q,R)	Q19,20,41,44 Q37,42,43	: 2SC1845(F,E) or 2SC1775 : 2SA992(F,E) or 2SA893A		
Q7,8	: 2SC2259(G,H)	Q40	: 2SA850(G,H)		
Q9~12	: 2SA899(B,V)	IC1	: TA7318P		
Q13,14	: 2SC1904(B,V)				
Q15,16	: 2SC1913(Q,R)				
Q17,18	: 2SA913(Q,R)	D1,2	: XZ-051		
Q21,22	: 2SA733A(R,Q) or 2SA564A(Q,R)	D3~6, 29, 30	: 1N60		
Q23,24	: 2SC2607	D7,8,34,35	: 1S2076		
Q25,26	: 2SA1116	D9,10	: STV-4H(G)		
Q27,28,35,36	: 2SC1885(Q,R)	D11,12,23~26,40,43~48	: V06B		
Q29,30	: 2SA912(Q,R)	D15~22,27,28,31,32,37~39 41,42	: 1S2076A		
Q31,32	: 2SA957(Y,G)	D33	: M4C51-13 2		
Q33,34	: 2SC2167(Y,G)	D36	: W06B		

Q1	: 2SC1567
Q2, 5	: 2SC2320 or 2SC945
Q3	: 2SC2167(Y,G)
Q4	: 2SC2378
Q6	: 2SA957(Y,G)
Q7,8	: 2SA999 or 2SA733(A)
Q9,10	: 2SC1845
IC1,2	: HA1457
D1,3	: XZ-142 or EQA01-14
D2	: V06B
D4	: 1S2076

TA7318P



2SC2259

* DC voltages for the power and audio amps are measured with 20 kΩ/v VOM when no signal is applied.

* DC voltages for the tuner section are measured with 20 kΩ/v VOM when an FM signal is received. Exception: DC voltages with ( ) are measured when an AM signal is received.

POWER AMPLIFIER SECTION

Power Output

150 watts* (POWER BOOST on) per channel or 120 watts* (POWER BOOST off) per channel, minimum RMS both channels driven, at 8 ohms from 20 to 20,000 Hz with no more than 0.02% total harmonic distortion.

Both Channels Driven	
into 8Ω at 1,000 Hz (POWER BOOST on)	170W + 170W
into 4Ω at 1,000 Hz	130W + 130W
Dynamic Power Output	550W at 8Ω
Total Harmonic Distortion (20 Hz to 20,000 Hz from AUX)	
rated power into 8Ω	0.02%
1W power into 8Ω	0.007%
Intermodulation Distortion (60 Hz : 7 kHz = 4 : 1 SMPTE)	
rated power into 8Ω	0.005%
1W power into 8Ω	0.006%
Slew Rate	200V/μsec
Rise Time	0.9 μsec
Damping Factor (20 to 20 kHz at 8Ω)	85

PRE AMPLIFIER SECTION

Input Sensitivity Impedance	
PHONO 1, 2	2.5 mV/50 kΩ
AUX and TAPE	200 mV/50 kΩ
MIC	2.2 mV/50 kΩ
Signal to Noise Ratio (A weighted)	
PHONO 1, 2	85 dB for 2.5 mV input 91 dB for 5.0 mV input
AUX and TAPE	108 dB for 200 mV input
MIC	74 dB for 2.2 mV input
Maximum Phono Input Level at 1,000 Hz	220mV (RMS) THD 0.02%
Frequency Response	
PHONO RIAA	
Standard Curve	20 Hz to 20,000 Hz +0.2 dB
AUX and TAPE	DC to 320,000 Hz −3 dB
Tone Control	
Bass (50 Hz Boost)	+12 dB at 100 Hz −10 dB at 50 Hz
Mid	+8 dB at 800 Hz
Treble	+12 dB at 10 kHz
Loudness Control (VOL −30 dB)	+10 dB at 100 Hz
Subsonic Filter (DC COUPLED OFF)	18 Hz 6 dB/oct
High Filter	10 kHz 6 dB/oct
Output Level Impedance	
TAPE REC Out (Pin)	200 mV/300Ω
TAPE REC Out (DIN)	30 mV/80 kΩ

FM TUNER SECTION

Usable Sensitivity	10.3 dBf (1.8 μV)
50 dB Quieting Sensitivity	
Mono	15.3 dBf (3.2 μV)
Stereo	36.8 dBf (38 μV)
Stereo Sensitivity	
position 1 (S/N 40 dB)	25.2 dBf (10 μV)
position 2 (S/N 60 dB)	45.2 dBf (100 μV)
Signal to Noise Ratio at 65 dBf	
Mono	83 dB
Stereo	75 dB
Total Harmonic Distortion	77 dB at 10 mV input
Mono	0.07%
Stereo	0.08%
Frequency Response	20 Hz to 15,000 Hz +0.5 dB −1.0 dB
Capture Ratio	1.0 dB
Image Rejection Ratio	83 dB
Spurious Response Ratio	100 dB
IF Response Ratio	105 dB
Alternate Channel Selectivity	
WIDE	30 dB at 300 kHz
NARROW	60 dB at 300 kHz
AM Suppression Ratio	65 dB at 65 dBf
Stereo Separation Ratio	50 dB at 1,000 Hz 40 dB at 50 Hz to 10,000 Hz
Subcarrier Product Ratio	70 dB
Antenna Impedance	300Ω Balanced and 75Ω unbalanced
FM Frequency Range	88 MHz to 108 MHz

AM TUNER SECTION

Usable Sensitivity	10 μV (250 μV m)
Signal to Noise Ratio	52 dB
Image Rejection	50 dB
Selectivity	45 dB

GENERAL

Power Consumption	5.5 A (UL and CSA) 570 W (8 ohms at rated power) 60 W (Non Signal)
AC Outlet	Switched 1 Unswitched 2
Dimensions	W 571 mm (22 15/32") H 172 mm (6 3/4") D 411 mm (16 3/16")
Weight (Net)	18.0 kg (39.6 lbs)
(Gross)	20.2 kg (44.4 lbs)

* Measured pursuant to Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifier in U.S.A.

Note

Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.